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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/642,305	08.	/18/2003	Hongyong Zhang	740756-2646	1987
22204	7590	08/30/2004	EXAMINER		
NIXON PE	•	LLP	OWENS, DOUGLAS W		
401 9TH STREET, NW SUITE 900				ART UNIT	PAPER NUMBER
WASHINGT	ON, DC	20004-2128	2811		

DATE MAILED: 08/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicatio	n No.	Applicant(s)						
		10/642,30	5	ZHANG ET AL.						
	Office Action Summary	Examiner		Art Unit						
		Douglas W		2811						
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).										
Status										
1)	Responsive to communication(s) filed on _	·								
2a) <u></u> □	This action is FINAL . 2b)	This action is no	on-final.							
3)🖾	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Disposition of Claims										
5)□ 6)□ 7)⊠	 Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) 1-12 is/are objected to. Claim(s) are subject to restriction and/or election requirement. 									
Applicati	on Papers									
10)⊠	The specification is objected to by the Examination The drawing(s) filed on 18 August 2003 is/a Applicant may not request that any objection to Replacement drawing sheet(s) including the control of the oath or declaration is objected to by the	re: a)⊠ accepthe drawing(s) bracetion is require	e held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 C	FR 1.121(d).					
Priority (under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 07/704,103. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 										
2) Notice 3) Infor	et(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SE er No(s)/Mail Date	•	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate	O-152)					

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DETAILED ACTION

Priority

1. This application filed under former 37 CFR 1.60 lacks the necessary reference to the prior application. A statement reading "This is a divisional of Application No. 08/611,571, filed March 6, 1996...." should be entered following the title of the invention or as the first sentence of the specification. Also, the current status of all nonprovisional parent applications referenced should be included.

Specification

2. Applicant is reminded of the proper content of an abstract of the disclosure.

A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

- (1) if a machine or apparatus, its organization and operation;
- (2) if an article, its method of making;
- (3) if a chemical compound, its identity and use;
- (4) if a mixture, its ingredients;
- (5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

3. The abstract of the disclosure is objected to because the final 2 lines of the abstract refer to purported merits of the invention. In line 6 of the abstract "lay r" should

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be replaced with --layers--, and in line 8, "b" should be replaced with --be--. Correction is required. See MPEP § 608.01(b).

4. A substitute specification excluding the claims is required pursuant to 37 CFR 1.125(a) because many words in the specification have one or more letters missing from. For example, in line 22 of page 1, "th" should be replaced with "the". In line 1 of page 2, "proc ss" should be replaced with "process", "possibl" should be replaced with "possible" and "in grated" should be replaced with "integrated". The specification is replete with this type of error.

A substitute specification must not contain new matter. The substitute specification must be submitted with markings showing all the changes relative to the immediate prior version of the specification of record. The text of any added subject matter must be shown by underlining the added text. The text of any deleted matter must be shown by strike-through except that double brackets placed before and after the deleted characters may be used to show deletion of five or fewer consecutive characters. The text of any deleted subject matter must be shown by being placed within double brackets if strike-through cannot be easily perceived. An accompanying clean version (without markings) and a statement that the substitute specification contains no new matter must also be supplied. Numbering the paragraphs of the specification of record is not considered a change that must be shown.

Claim Objections

5. Claims 1 - 12 are objected to because of the following informalities:

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In line 10 of claim 1, "shifted to a lower wave number side from 520 cm⁻¹" should be replaced with a phrase, such as, --lower than 520 cm⁻¹--, lines 9 and 10 of claim 4 and line 10 of claim 7 should be similarly amended. As claimed it appears as if there is an active change that occurs to a characteristic of the semiconductor film. The specification only discloses that the number is lower when compared to normal single crystal silicon (520 cm⁻¹), which does not have the distorted lattice. As cited, the claim does not accurately describe the invention, since this is not an active change occurring in the semiconductor film.

In line 11 of claim 7, --with-- or --having-- should be inserted between "film" and "no".

Appropriate correction is required.

Allowable Subject Matter

6. The following is a statement of reasons for the indication of allowable subject matter upon resolving the above noted formal matters: The prior art does not teach, alone or in combination, a semiconductor device, "wherein a peak position of a Raman spectrograph is lower than 520 cm⁻¹ [shifted to a lower wavenumber side from 520 cm⁻¹].

Conclusion

7. This application is in condition for allowance except for the following formal matters:

The specification should be replaced and the claims amended as indicated above.

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Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas W Owens whose telephone number is 571-272-1662. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DWO

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800